



STIC Search Report

EIC 2800

STIC Database Tracking Number: 144053

**TO: Roy Potter
Location: JEF- 5A49
Art Unit : 2822
Wednesday, February 02, 2005**

Case Serial Number: 08/043503

**From: Darcy Bates
Location: EIC 2800
JEF- 4B68
Phone: 571-272-2540**

darcy.bates@uspto.gov

Search Notes

Re: 08/043,503 US 5,291,061

Attached are search results.

**No U. S. litigation was found in searches of
Lexis-Nexis and Questel-Orbit databases.**

**If more searching or explanation is needed, please let
me know.**

**Thanks,
Darcy Bates**

Litigation involving patent 5,291,061

Click on the docket number to view the docket.
Click on the above patent number to view the patent.

 Docket 	 Case Heading 	 Date Filed 	 Date Retrvd 
--	--	---	---

There are no cases involving this patent number.

Litigation involving patent RE36,613

Click on the docket number to view the docket.
Click on the above patent number to view the patent.

 Docket 	 Case Heading 	 Date Filed 	 Date Retrvd 
--	--	---	---

There are no cases involving this patent number.

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Terms: **36613** ([Edit Search](#))

610127 (08) RE 36613 March 14, 2000

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

RE **36613**

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[Link to Claims Section](#)

March 14, 2000

Multi-chip stacked devices

INVENTOR: Ball, Michael B. - Boise, Idaho, United States (US)

APPL-NO: 610127 (08)

FILED-DATE: February 29, 1996

GRANTED-DATE: March 14, 2000

ASSIGNEE-AT-ISSUE: Micron Technology, Inc., Boise, Idaho, United States (US), 02

ASSIGNEE-AFTER-ISSUE: January 21, 2003 - MERGER (SEE DOCUMENT FOR DETAILS), MICRON TECHNOLOGY, INC. 8000 SOUTH FEDERAL WAY BOISE IDAHO 83707-0006, Reel and Frame Number: 013684/0806

LEGAL-REP: Trask, Britt & Rossa

PUB-TYPE: March 14, 2000 - Reissue Patent (E1)

PUB-COUNTRY: United States (US)

US-MAIN-CL: 257#777

US-ADDL-CL: 257#676, 257#686, 257#783, 257#784, 257#E23.047, 257#E23.052, 257#E25.013

CL: 257

SEARCH-FLD: 257#686, 257#777, 257#784, 257#676, 257#783

IPC-MAIN-CL: 7H 01L023#48

IPC ADDL CL: H 01L023#52, H 01L029#40, H 01L023#2

PRIM-EXMR: Arroyo, Teresa M.


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36613

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Syntax Definition

<u>and</u>	and
<u>or</u>	or
<u>w/N</u>	within N words
<u>not w/N</u>	not within N words
<u>pre /N</u>	precedes by N words
<u>w/p</u>	in same paragraph
<u>not w/p</u>	not in same paragraph
<u>w/seg</u>	in same segment
<u>not w/seg</u>	not in same segment
<u>w/s</u>	in same sentence
<u>not w/s</u>	not in same sentence
<u>and not</u>	and not

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Selected file: PLUSPAT

Search statement 1

Query/Command : re36613/pn

** SS 8: Results 1

Search statement 9

Query/Command : prt fu legalall max

1 / 1 PLUSPAT - @QUESTEL-ORBIT - image
PN - USRE36613 E 20000314 [USRE36613]
TI - (E) Multi-chip stacked devices
PA - (E) MICRON TECHNOLOGY INC (US)
PAO - Micron Technology, Inc., Boise ID [US]
IN - (E) BALL MICHAEL B (US)
AP - US61012796 19960229 [1996US-0610127]
FD - Reissued: US043503 19930406 [1993US-0043503]
Reissue of: US5291061 - 19940301
PR - US61012796 19960229 [1996US-0610127]
US4350393 19930406 [1993US-0043503]
IC - (E) H01L-023/02 H01L-023/48 H01L-023/52 H01L-029/40
EC - H01L-023/495G4B
H01L-023/495L
H01L-025/065S
PCL - ORIGINAL (O) : 257777000; CROSS-REFERENCE (X) : 257E23047
257E23052 257E25013 257676000 257686000 257783000 257784000
DT - Basic
CT - US4567643; US4984059; US4996587; US5012323; US5049976; JP56-62351;
JP60-182731; JP62-126661; JP63-128736; JP1-28856; JP3-169062;
JP4-56262
STG - (E) Reissue
AB - A multiple stacked die device is disclosed that contains up to
four dies and does not exceed the height of current single die
packages. Close-tolerance stacking is made possible by a
low-loop-profile wire-bonding operation and thin-adhesive layer
between the stacked dies.
UP - 2000-13

1 / 1 LGST - @EPO
PN - USRE36613 E 20000314 [USRE36613]
AP - US61012796 19960229 [1996US-0610127]
ACT - 20030121 US/AS-A
ASSIGNMENT
OWNER: MICRON TECHNOLOGY, INC. 8000 SOUTH FEDERAL WAYBOIS;
EFFECTIVE DATE: 19941028
MERGER;ASSIGNOR:MICRON SEMICONDUCTOR, INC.;REEL/FRAME:013684/0806
UP - 2004-52

2/2/05

US RE 36,613

08/043503

1 / 1 CRXX - @CLAIMS/RRX
AN - 3292154
PN - 36,613 E 20000314 [USRE36613]
PA - Micron Technology Inc
PT - E (Electrical)
ACT - 20030121 REASSIGNED
MERGER

Assignor: MICRON SEMICONDUCTOR, INC. DATE SIGNED: 10/28/1994

Assignee: MICRON TECHNOLOGY, INC. 8000 SOUTH FEDERAL WAY BOISE
IDAHO 83707-0006

Reel 013684/Frame 0806

Contact: TRASKBRITT BRICK G. POWER SALT LAKE CITY, UT 84110

UP - 2003-33
URAS- 2003-08-12

Search statement 9

Query/Command : fam re36613/pn

1 Patent Groups
** SS 9: Results 2

Search statement 10

Query/Command : famstate nonstop

1 / 2 PLUSPAT - @QUESTEL-ORBIT - image
PN - US5291061 A 19940301 [US5291061]
STG - (A) United States patent
TI - (A) Multi-chip stacked devices
PA - (A) MICRON SEMICONDUCTOR INC (US)
PAO - Micron Semiconductor, Inc., Boise ID [US]
IN - (A) BALL MICHAEL B (US)
IC - (A) H01L-023/02 H01L-023/32 H01L-023/48 H01L-029/40
AP - US4350393 19930406 [1993US-0043503]
PR - US4350393 19930406 [1993US-0043503]
EC - H01L-023/495G4B
H01L-023/495L
H01L-025/065S
PCL - ORIGINAL (O) : 257686000; CROSS-REFERENCE (X) : 257E23047
257E23052 257E25013 257676000 257782000 257783000
DT - Basic

2/2/05

US RE 36,613

08/043503

1 / 1 LEGALI - ©EPO
PN - US5291061 A 19940301 [US5291061]
AP - US4350393 19930406 [1993US-0043503]
ACTE- 19930406 US/AS02-A
ASSIGNMENT OF ASSIGNOR'S INTEREST
OWNER: MICRON SEMICONDUCTOR, INC. 2805 EAST COLUMBIA ROAD;
EFFECTIVE DATE: 19930401

19930406 US/AS02-A
ASSIGNMENT OF ASSIGNOR'S INTEREST
OWNER: BALL, MICHAEL B.; EFFECTIVE DATE: 19930401

19961001 US/RF-A
REISSUE APPLICATION FILED
EFFECTIVE DATE: 19960229

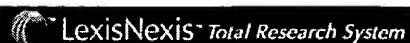
19991207 US/RF-A
REISSUE APPLICATION FILED
EFFECTIVE DATE: 19991021

20030121 US/AS-A
ASSIGNMENT
OWNER: MICRON TECHNOLOGY, INC. 8000 SOUTH FEDERAL WAYBOIS;
EFFECTIVE DATE: 19941028
MERGER;ASSIGNOR:MICRON SEMICONDUCTOR, INC.;REEL/FRAME:013684/0806

20030610 US/RF-A
REISSUE APPLICATION FILED
EFFECTIVE DATE: 20030116
UP - 2004-52

2 / 2 PLUSPAT - ©QUESTEL-ORBIT - image
PN - USRE36613 E 20000314 [USRE36613]
STG - (E) Reissue
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DT - Basic
UP - 2000-13

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EFFECTIVE DATE: 19941028
MERGER;ASSIGNOR:MICRON SEMICONDUCTOR, INC.;REEL/FRAME:013684/0806
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36,613))
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<u>or</u>	or
<u>w/N</u>	within N words
<u>not w/N</u>	not within N words
<u>pre /N</u>	precedes by N words
<u>w/p</u>	in same paragraph
<u>not w/p</u>	not in same paragraph
<u>w/seg</u>	in same segment
<u>not w/seg</u>	not in same segment
<u>w/s</u>	in same sentence
<u>not w/s</u>	not in same sentence
<u>and not</u>	and not

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<u>or</u>	or
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<u>and not</u>	and not

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36,613))[Suggest Terms
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043503 (08) 5291061 March 1, 1994

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

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March 1, 1994

Multi-chip stacked devices

REISSUE: This Patent was reissued on Mar. 14, 2000 as Reissue Patent Re 36,613. Reissued Application filed Oct. 19, 1999 (O.G. Dec. 7, 1999) Ex. Gp.: 2814; Re. S.N. 09/427,123 Reissued Application filed Feb. 29, 1996 (O.G. Oct. 1, 1996) Ex. Gp.: 2503; Re. S.N. 08/610,127, (O.G. December 7, 1999) January 16, 2003 - Reissue Application filed Ex. Gp.: 2811; Re. S.N. 10/346,860 (O.G. June 10, 2003)

INVENTOR: Ball, Michael B. - Boise, Idaho, United States (US)

APPL-NO: 043503 (08)

FILED-DATE: April 6, 1993

GRANTED-DATE: March 1, 1994

ASSIGNEE-AT-ISSUE: Micron Semiconductor, Inc., Boise, Idaho, United States (US), 02

ASSIGNEE-AFTER-ISSUE: April 6, 1993 - ASSIGNMENT OF ASSIGNORS INTEREST., MICRON SEMICONDUCTOR, INC. 2805 EAST COLUMBIA ROAD BOISE IDAHO 83706, Reel and Frame Number: 006513/0762
January 21, 2003 - MERGER (SEE DOCUMENT FOR DETAILS)., MICRON TECHNOLOGY, INC. 8000 SOUTH FEDERAL WAY BOISE IDAHO 83707-0006, Reel and Frame Number: 013684/0806

LEGAL-REP: Hopkins, French, Crockett, Springer & Hoopes

PUB-TYPE: March 1, 1994 - Utility Patent having no previously published pre-grant publication (A)

PUB-COUNTRY: United States (US)

US-MAIN-CL: 257#686

US-ADDL-CL: 257#676, 257#782, 257#783, 257#E23.047, 257#E23.052, 257#E25.013

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patno=5291061

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Selected file: PLUSPAT

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Query/Command : us5291061/pn

** SS 6: Results 1

Search statement 7

Query/Command : prt fu legalall max

1 / 1 PLUSPAT - ©QUESTEL-ORBIT - image
PN - US5291061 A 19940301 [US5291061]
TI - (A) Multi-chip stacked devices
PA - (A) MICRON SEMICONDUCTOR INC (US)
PAO - Micron Semiconductor, Inc., Boise ID [US]
IN - (A) BALL MICHAEL B (US)
AP - US4350393 19930406 [1993US-0043503]
PR - US4350393 19930406 [1993US-0043503]
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EC - H01L-023/495G4B
H01L-023/495L
H01L-025/065S
PCL - ORIGINAL (O) : 257686000; CROSS-REFERENCE (X) : 257E23047
257E23052 257E25013 257676000 257782000 257783000
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CT - US4567643; US4984059; US4996587; US5012323; US5049976; JP56-62351
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OWNER: MICRON SEMICONDUCTOR, INC. 2805 EAST COLUMBIA ROAD;
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19961001 US/RF-A
REISSUE APPLICATION FILED

2/2/05

US 5,291,061

08/043503

EFFECTIVE DATE: 19960229

19991207 US/RF-A
REISSUE APPLICATION FILED
EFFECTIVE DATE: 19991021

20030121 US/AS-A
ASSIGNMENT
OWNER: MICRON TECHNOLOGY, INC. 8000 SOUTH FEDERAL WAYBOIS;
EFFECTIVE DATE: 19941028
MERGER;ASSIGNOR:MICRON SEMICONDUCTOR, INC.;REEL/FRAME:013684/0806

20030610 US/RF-A
REISSUE APPLICATION FILED
EFFECTIVE DATE: 20030116

UP - 2004-52

1 / 1 CRXX - @CLAIMS/RRX
AN - 2450074
PN - 5,291,061 A 19940301 [US5291061]
PA - Micron Semiconductor Inc
PT - E (Electrical)
ACT - 19960229 REISSUE REQUESTED
ISSUE DATE OF O.G.: 19961001
REISSUE REQUEST NUMBER: 08/610127
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2503
Reissue Patent Number: USRE36613

19991021 REISSUE REQUESTED
ISSUE DATE OF O.G.: 19991207
REISSUE REQUEST NUMBER: 09/427123
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2814

Reissue Patent Number:

20030116 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20030610
REISSUE REQUEST NUMBER: 10/346860
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2811

Reissue Patent Number:

20030121 REASSIGNED
MERGER

Assignor: MICRON SEMICONDUCTOR, INC. DATE SIGNED: 10/28/1994

Assignee: MICRON TECHNOLOGY, INC. 8000 SOUTH FEDERAL WAY BOISE
IDAHO 83707-0006

Reel 013684/Frame 0806

Contact: TRASKBRITT BRICK G. POWER SALT LAKE CITY, UT 84110

2/2/05

US 5,291,061

08/043503

UP - 1999-00
UACT- 2003-06-10
URAS- 2003-08-12

Search statement 7

Query/Command : fam us5291061/pn

1 Patent Groups
** SS 7: Results 2

Search statement 8

Query/Command : famstate nonstop

1 / 2 PLUSPAT - @QUESTEL-ORBIT - image
PN - US5291061 A 19940301 [US5291061]
STG - (A) United States patent
TI - (A) Multi-chip stacked devices
PA - (A) MICRON SEMICONDUCTOR INC (US)
PAO - Micron Semiconductor, Inc., Boise ID [US]
IN - (A) BALL MICHAEL B (US)
IC - (A) H01L-023/02 H01L-023/32 H01L-023/48 H01L-029/40
AP - US4350393 19930406 [1993US-0043503]
PR - US4350393 19930406 [1993US-0043503]
EC - H01L-023/495G4B
H01L-023/495L
H01L-025/065S
PCL - ORIGINAL (O) : 257686000; CROSS-REFERENCE (X) : 257E23047
257E23052 257E25013 257676000 257782000 257783000
DT - Basic

1 / 1 LEGALI - @EPO
PN - US5291061 A 19940301 [US5291061]
AP - US4350393 19930406 [1993US-0043503]
ACTE- 19930406 US/AS02-A
ASSIGNMENT OF ASSIGNOR'S INTEREST
OWNER: MICRON SEMICONDUCTOR, INC. 2805 EAST COLUMBIA ROAD;
EFFECTIVE DATE: 19930401

19930406 US/AS02-A
ASSIGNMENT OF ASSIGNOR'S INTEREST
OWNER: BALL, MICHAEL B.; EFFECTIVE DATE: 19930401

19961001 US/RF-A
REISSUE APPLICATION FILED
EFFECTIVE DATE: 19960229

19991207 US/RF-A
REISSUE APPLICATION FILED

EFFECTIVE DATE: 19991021

20030121 US/AS-A

ASSIGNMENT

OWNER: MICRON TECHNOLOGY, INC. 8000 SOUTH FEDERAL WAYBOIS;

EFFECTIVE DATE: 19941028

MERGER;ASSIGNOR:MICRON SEMICONDUCTOR, INC.;REEL/FRAME:013684/0806

20030610 US/RF-A

REISSUE APPLICATION FILED

EFFECTIVE DATE: 20030116

UP - 2004-52

2 / 2 PLUSPAT - @QUESTEL-ORBIT - image

PN - USRE36613 E 20000314 [USRE36613]

STG - (E) Reissue

TI - (E) Multi-chip stacked devices

PA - (E) MICRON TECHNOLOGY INC (US)

PAO - Micron Technology, Inc., Boise ID [US]

IN - (E) BALL MICHAEL B (US)

IC - (E) H01L-023/02 H01L-023/48 H01L-023/52 H01L-029/40

AP - US61012796 19960229 [1996US-0610127]

PR - US61012796 19960229 [1996US-0610127]

US4350393 19930406 [1993US-0043503]

EC - H01L-023/495G4B

H01L-023/495L

H01L-025/065S

PCL - ORIGINAL (O) : 257777000; CROSS-REFERENCE (X) : 257E23047

257E23052 257E25013 257676000 257686000 257783000 257784000

DT - Basic

UP - 2000-13

1 / 1 LEGALI - @EPO

PN - USRE36613 E 20000314 [USRE36613]

AP - US61012796 19960229 [1996US-0610127]

ACTE- 20030121 US/AS-A


ASSIGNMENT

OWNER: MICRON TECHNOLOGY, INC. 8000 SOUTH FEDERAL WAYBOIS;

EFFECTIVE DATE: 19941028

MERGER;ASSIGNOR:MICRON SEMICONDUCTOR, INC.;REEL/FRAME:013684/0806

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<u>pre /N</u>	precedes by N words
<u>w/p</u>	in same paragraph
<u>not w/p</u>	not in same paragraph
<u>w/seg</u>	in same segment
<u>not w/seg</u>	not in same segment
<u>w/s</u>	in same sentence
<u>not w/s</u>	not in same sentence
<u>and not</u>	and not

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